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CPSC 3600

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Wireshark Lab - UDP

Select one UDP packet from your trace. From this packet, determine how many fields there are in the UDP header. (You shouldn't look in the textbook! Answer these questions directly from what you observe in the packet trace.) Name these fields and determine the length (in bytes) of each of the UDP header fields.

1. Source Port: 2 bytes
2. Destination Port: 2 bytes
3. Length: 2 bytes
4. Checksum: 2 bytes

The value in the Length field is the length of what? Verify your claim with your captured UDP packet.

- Bytes of UDP header and data
- $2 + 2 + 2 + 2 + 24 = 32$
- This is the listed length

What is the maximum number of bytes that can be included in a UDP payload?

- 65527

What is the largest possible source port number?

- 65535

What is the protocol number for UDP? Give your answer in both hexadecimal and decimal Notation

- 17
- 0x11

Examine a pair of UDP packets in which the first packet is sent by your host and the second packet is a reply to the first packet. Describe the relationship between the port numbers in the two packets.

- Source port of the original is the same as the destination of the reply packet
- Destination port of the original is the same as the source port of the reply packet